

2021 Online HYSPLIT Workshop (DAY 4 of 4) Wrap-Up

NOAA Air Resources Laboratory
June 15-18, 2021

Workshop guidance and resources posted at

[Workshop Web Page](#)

`https://www.ready.noaa.gov/
register/HYSPLIT_hyagenda.php`

... this wrap-up presentation will
be put on Workshop Web Page

Agenda – Day 1

UTC	EDT	Agenda Item
13:00 – 13:15	09:00 – 09:15	Welcome, Introduction and Logistics
13:15 – 14:00	09:15 – 10:00	1. Installing HYSPLIT
14:00 – 14:10	10:00 – 10:10	Break
14:10 – 14:50	10:10 – 10:50	2. Testing the installation
14:50 – 15:00	10:50 – 11:00	Break
15:00 – 15:45	11:00 – 11:45	3. Gridded meteorological data sets
15:45 – 16:30	11:45 – 12:30	Break
16:30 – 18:00	12:30 – 14:00	4. Trajectory calculations
18:00 – 18:15	14:00 – 14:15	Break
18:15 – 19:30	14:15 – 15:30	5. Trajectory options
19:30 – 19:40	15:30 – 15:40	Break
19:40 – 20:45	15:40 – 16:45	6. Trajectory statistics
20:45 – 21:00	16:45 – 17:00	First day wrap-up

Agenda – Day 2

UTC	EDT	Agenda Item
13:00 – 13:15	09:00 – 09:15	Comments / questions from previous day
13:15 – 14:45	09:15 – 10:45	7. Air Concentration Calculations
14:45 – 15:00	10:45 – 11:00	Break
15:00 – 16:30	11:00 – 12:30	8. Configuring the CAPTEX simulation
16:30 – 17:30	12:30 – 13:30	Break
17:30 – 19:00	13:30 – 15:00	9. Air Concentration Parameter Sensitivity
19:00 – 19:15	15:00 – 15:15	Break
19:15 – 20:00	15:15 – 16:00	10. Alternate Display Options
20:00 – 20:45	16:00 – 16:45	11. Pollutant Transformations and deposition (started this section)
20:45 – 21:00	16:45 – 17:00	Second day wrap-up / questions

Agenda – Day 3

UTC	EDT	Agenda Item
13:00 – 13:15	09:00 – 09:15	Comments / questions from previous day
13:15 – 14:15	09:15 – 10:15	11. Pollutant Transformations and deposition <i>(...continued from Day 2)</i>
14:15 – 14:30	10:15 – 10:30	Break
14:30 – 16:00	10:30 – 12:00	12. Air Concentration Uncertainty
16:00 – 17:00	12:00 – 13:00	Break
17:00 – 18:00	13:00 – 14:00	13. Source Attribution Methods
18:00 – 18:15	14:00 – 14:15	Break
18:15 – 19:15	14:15 – 15:15	13. Source Attribution Methods <i>(continued)</i>
19:15 – 19:30	15:15 – 15:30	Break
19:30 – 20:45	15:30 – 16:45	14. Wildfire Smoke and Dust Storms
20:45 – 21:00	16:45 – 17:00	Third day wrap-up / questions

Agenda – Day 4

UTC	EDT	Agenda Item
13:00 – 13:15	09:00 – 09:15	Comments / questions from previous day
13:15 – 14:45	09:15 – 10:45	15. Radioactive Pollutants and Dose
14:45 – 15:00	10:45 – 11:00	Break
15:00 – 16:30	11:00 – 12:30	16. Volcanic Eruptions with Gravitational Settling
16:30 – 17:30	12:30 – 13:30	Break
17:30 – 18:30	13:30 – 14:30	17. Custom Simulations
18:30 – 18:45	14:30 – 14:45	Break
18:45 – 19:45	14:45 – 15:45	Questions and answer (Q & A) session with course instructor Roland Draxler
19:45 – 20:00	15:45 – 16:00	Final course wrap-up

Recordings

Access recordings from the Workshop Web Page:
https://www.ready.noaa.gov/register/HYSPLIT_hyagenda.php

- ❑ Recordings of each day's on-line sessions are being created, *but processing typically takes at least 2-4 hours* -- once the video is posted on our site, the corresponding item in the list below will turn into a link you can click to view

Handouts, Notes, and Recordings. Videos of each day's on-line sessions are being created for review by participants, e.g., for those in time zones that would make online participation difficult. Processing of the videos to make them viewable takes significant time. When the video is posted, the corresponding entry below will become a link. When you click on one of these links, you should be able to view the video directly. To download a video recording, start playing it. Then place your mouse anywhere in the video area and right click the mouse. Choose the "Save As" menu.

▶ **Day 1 (Tue, June 15)**

▶ [Workshop day 1 introduction](#)

▶ [Workshop video recording day 1](#) (See the above paragraph on how to download the video file.)

▶ [Workshop day 1 wrap-up](#)

▶ **Day 2 (Wed, June 16)**

▶ [Workshop day 2 introduction](#)

▶ [Workshop video recording day 2](#)

▶ Workshop day 2 wrap-up ([pdf, 2.3 MB](#); [pptx, 85 MB](#)) - The PPTX version contains the video of a pressurized balloon and it is much bigger. The balloon launch video may be downloaded from [this link](#) (mp4, 82 MB).

▶ **Day 3 (Thr, June 17)**

▶ [Workshop day 3 introduction](#). Additional materials: [HYSPLIT Simulations for ALOHA Chemicals: Possibilities and Suggestions](#) (pdf, 2.1 MB); [HYSPLIT Simulation Parameters for ALOHA Chemicals](#) (pdf, 7.6 MB).

▶ [Workshop video recording day 3](#)

▶ Workshop day 3 wrap-up ([pdf, 4.0 MB](#); [pptx, 3.8 MB](#)) - On Slide 17, the PPTX version has the animated graphic of the Beltsville mercury back-trajectories.

▶ **Day 4 (Fri, June 18)**

▶ [Workshop day 4 introduction](#). The STILT paper by Chris Loughner and others are available at <https://doi.org/10.1175/JAMC-D-20-0158.1>

▶ Workshop video recording day 4 (Not available yet)

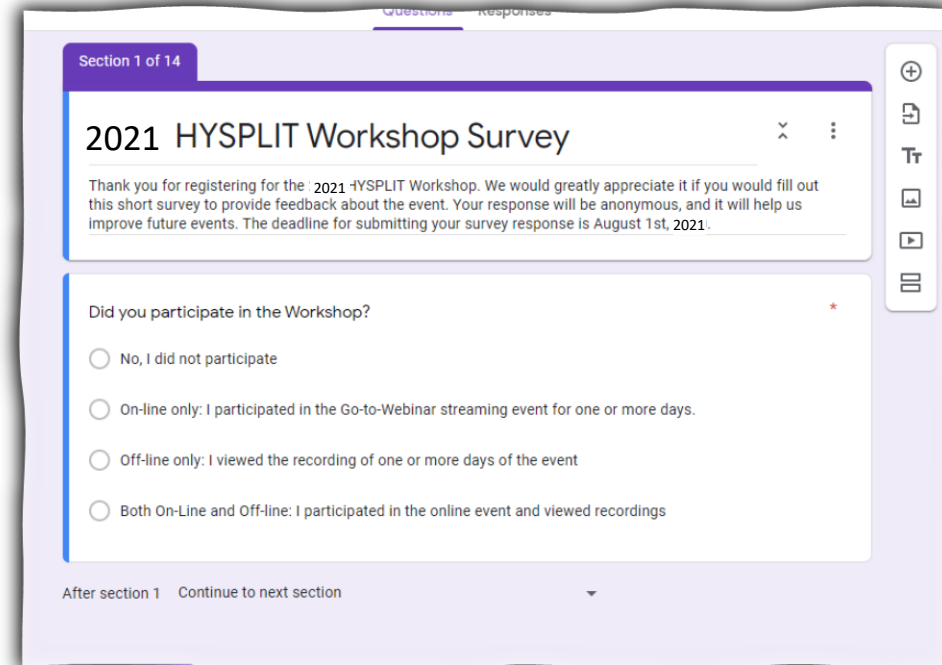
Course Certificates

- ☐ Course certificates will be made available to all participants
- ☐ You will receive an email (probably next week) asking if you would like a certificate and letting you know how to obtain it



Course Survey

- ❑ We will be sending out a course survey soon, and we hope you will return it
- ❑ It can be anonymous, or you can provide your name – it is up to you
- ❑ We will really appreciate hearing your feedback, about what went well and what we can try to improve.

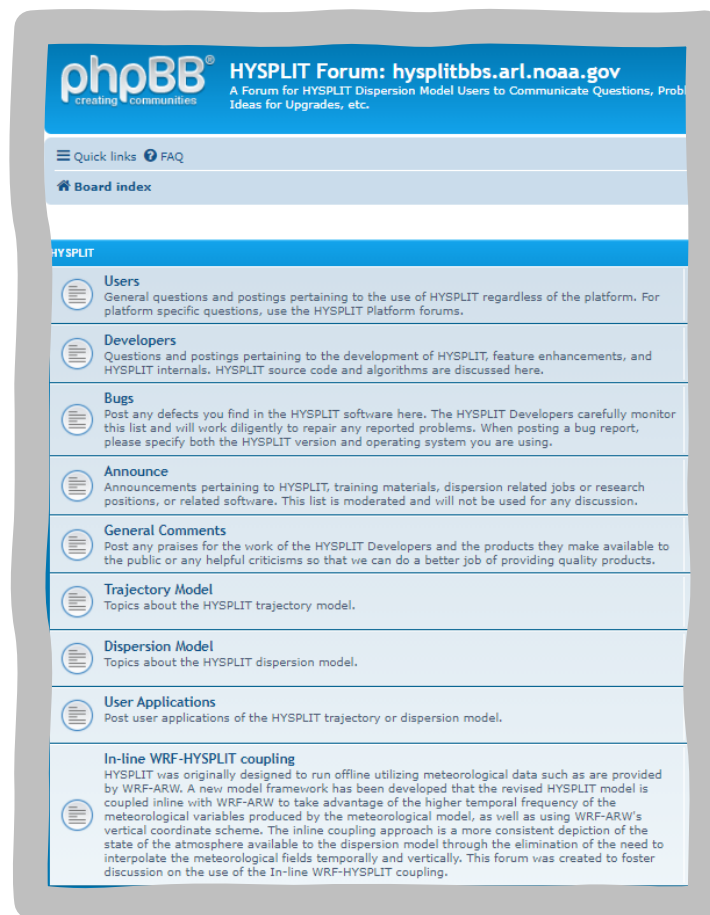


The screenshot shows a web-based survey interface. At the top, it says "Section 1 of 14". The title of the survey is "2021 HYSPLIT Workshop Survey". Below the title, there is a paragraph: "Thank you for registering for the 2021 HYSPLIT Workshop. We would greatly appreciate it if you would fill out this short survey to provide feedback about the event. Your response will be anonymous, and it will help us improve future events. The deadline for submitting your survey response is August 1st, 2021." The first question is "Did you participate in the Workshop?". It has four radio button options: "No, I did not participate", "On-line only: I participated in the Go-to-Webinar streaming event for one or more days.", "Off-line only: I viewed the recording of one or more days of the event", and "Both On-Line and Off-line: I participated in the online event and viewed recordings". At the bottom of the form, it says "After section 1 Continue to next section".

HYSPPLIT Forum

<https://hysplitbbs.arl.noaa.gov/index.php>

- ❑ Please feel free to continue to ask any questions that you have in the HYSPLIT Forum.
- ❑ You can ask them in the 2021 Workshop section of the Forum, or you can ask them in another section of the Forum if it seems more relevant.
- ❑ Wherever you ask the question, we will try to answer it.





HYSPLIT Forum: hysplitbbs.arl.noaa.gov

A Forum for HYSPLIT Dispersion Model Users to Communicate Questions, Problems, and Ideas for Upgrades, etc.



































Quick links [FAQ](#)



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[Board index](#)

It is currently June 18th, 2021, 1:23 pm

HYSPLIT	TOPICS	POSTS	LAST POST
 Users General questions and postings pertaining to the use of HYSPLIT regardless of the platform. For platform specific questions, use the HYSPLIT Platform forums.	216	780	Re: 5.1.0 square area emissio... by alicec  June 1st, 2021, 2:59 pm
 Developers Questions and postings pertaining to the development of HYSPLIT, feature enhancements, and HYSPLIT internals. HYSPLIT source code and algorithms are discussed here.	25	84	Re: [PATCH] conc2cdf Improvem... by christopher.loughner  June 15th, 2021, 10:18 am
 Bugs Post any defects you find in the HYSPLIT software here. The HYSPLIT Developers carefully monitor this list and will work diligently to repair any reported problems. When posting a bug report, please specify both the HYSPLIT version and operating system you are using.	45	154	Re: Output path error when in... by niomara19  March 29th, 2021, 10:14 am
 Announce Announcements pertaining to HYSPLIT, training materials, dispersion related jobs or research positions, or related software. This list is moderated and will not be used for any discussion.	25	49	Re: GDAS1 archive file gdas1.... by sonny.zinn  August 27th, 2020, 11:08 am
 General Comments Post any praises for the work of the HYSPLIT Developers and the products they make available to the public or any helpful criticisms so that we can do a better job of providing quality products.	24	66	Add grid square to options by N2NXZ  November 3rd, 2019, 12:34 am
 Trajectory Model Topics about the HYSPLIT trajectory model.	207	689	Re: When trying forecast/arch... by aring  June 15th, 2021, 9:16 am
 Dispersion Model Topics about the HYSPLIT dispersion model.	186	803	Mass conservation in puff mod... by ivan.stepanov  April 22nd, 2021, 4:25 pm
 User Applications Post user applications of the HYSPLIT trajectory or dispersion model.	4	9	Re: moisture transport analys... by anitadrumond  June 23rd, 2020, 4:27 pm
 In-line WRF-HYSPLIT coupling HYSPLIT was originally designed to run offline utilizing meteorological data such as are provided by WRF-ARW. A new model framework has been developed that the revised HYSPLIT model is coupled inline with WRF-ARW to take advantage of the higher temporal frequency of the meteorological variables produced by the meteorological model, as well as using WRF-ARW's vertical coordinate scheme. The inline coupling approach is a more consistent depiction of the state of the atmosphere available to the dispersion model through the elimination of the need to interpolate the meteorological fields temporally and vertically. This forum was created to foster discussion on the use of the In-line WRF-HYSPLIT coupling.	9	44	Re: CAPTEX example IC/BC data by amankhan  August 2nd, 2018, 1:17 am

HYSPLIT PLATFORM SPECIFIC		TOPICS	POSTS	LAST POST
	HYSPLIT for PCs Post any questions or comments regarding the Desktop PC version of HYSPLIT. This includes the model execution, GUIs, results, or graphics. Be sure to include the operating system you are using (Windows XP, Windows Vista, Windows 7, Windows 8, etc.	109	443	Re: Support for Win7? by sonny.zinn  June 18th, 2021, 9:34 am
	HYSPLIT for Mac OS X Post any questions or comments regarding the Mac OS X version of HYSPLIT. This includes the model execution, GUIs, results, or graphics. Be sure to mention the version of OS you are using.	13	69	Re: ERA52ARL code compilation... by seethala.chellappan  June 17th, 2021, 7:34 am
	HYSPLIT for LINUX Post any questions or comments regarding the LINUX version of HYSPLIT. This includes the model execution, GUIs, results, or graphics. Be sure to mention the version of LINUX you are using.	68	306	Re: Which HYSPLIT can I insta... by dmitry  June 16th, 2021, 8:08 am
METEOROLOGICAL DATA		TOPICS	POSTS	LAST POST
	General questions on meteorological data needed for HYSPLIT	99	386	Re: HRRR forecast data by sonny.zinn  May 11th, 2021, 6:23 am
	Conversion programs Post questions and find resources to convert meteorological data into a format HYSPLIT can read.	107	452	Re: why ECCODES ERROR : ge... by seethala.chellappan  June 18th, 2021, 12:28 pm
	Repositories of HYSPLIT formatted data Post links to publicly available repositories of HYSPLIT formatted meteorological data. Include links to documentation describing the data coverage area, time period, and variables within the data set.	16	48	Re: Expected Download Speeds ... by McP82  September 24th, 2020, 8:32 am
	MeteoInfo Software	51	119	Re: MeteoInfoLab script - con... by yaqiang  March 25th, 2021, 8:50 am

HYSPLIT RESEARCH		TOPICS	POSTS	LAST POST
	Volcanic Ash Post questions, comments and links to research (research papers, web sites, etc) involving HYSPLIT and volcanic ash. This section is also to facilitate collaborations between researchers involved in volcanic ash transport and dispersion.	4	11	Re: Dobson Units (DU) for air... by barbara.stunder  May 21st, 2018, 3:21 pm
	Wildfire Smoke Post questions, comments and links to research (research papers, web sites, etc) involving HYSPLIT and wildfire smoke. This section is also to facilitate collaborations between researchers involved in smoke transport and dispersion.	4	8	Re: CA 2018 Wildfires Control... by alicec  November 5th, 2020, 9:48 am
	Dust Post questions, comments and links to research (research papers, web sites, etc) involving HYSPLIT and atmospheric dust. This section is also to facilitate collaborations between researchers involved in dust transport and dispersion.	20	57	Re: soil-dust density (K) and... by ariel.stein  January 26th, 2021, 5:26 pm
	Chemicals Post questions, comments and links to research (research papers, web sites, etc) involving HYSPLIT and chemicals in the atmosphere. This section is also to facilitate collaborations between researchers involved in chemical transport and dispersion.	9	24	Re: Kz diffusivity by gws  May 18th, 2021, 6:18 pm
	Radiological Post questions, comments and links to research (research papers, web sites, etc) involving HYSPLIT and radiological nuclides. This section is also to facilitate collaborations between researchers involved in radiological nuclide transport and dispersion.	14	44	Re: Differences between resul... by fppiguet  November 10th, 2020, 5:50 pm
	Cluster Analysis Topics about the trajectory clustering program for HYSPLIT.	34	155	Re: Calculate meteorological ... by hyun.kim  June 17th, 2021, 10:03 am
FORUM		TOPICS	POSTS	LAST POST
	HYSPLIT Workshop	154	600	Re: Time-dependent emissions by alicec  June 18th, 2021, 1:10 pm

**Thanks for your
participation and
for your interest
in HYSPLIT!**